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(54) FLAME RETARDANT RESIN COMPOSITION, PREPREG AND LAMINATE USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED. To obtain a resin composition having a high level of flame retardance without changing characteristics of the resin composition or a prepreg for a long period and to provide the prepreg impregnated therewith and a flame retardant laminate obtained from the prepreg.

SOLUTION. This flame retardant resin composition consists essentially of a nonhalogenated epoxy resin containing an epoxy resin having ≈ 3 epoxy groups in one molecule in an amount of ≈ 70 wt % based on the total epoxy resin, a compound curing agent having at least ≈ 1 amino groups in the molecule and 9,10-dihydro-9-oxa-10-phosphaphenanthrene-10-oxide. The prepreg is prepared by impregnating a substrate with the flame retardant resin composition and the flame retardant copper-clad laminate is obtained by superimposing one or more sheets of the prepreg and hot-pressing the resultant laminate.

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